

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Canceled)
2. (Currently Amended) The brazing composition according to ~~claim 1~~Claim 11, wherein the zinc-based flux is a K-Zn-F-type zinc fluoride.
3. (Currently Amended) The brazing composition according to ~~claim 1~~Claim 11, further comprising metal silicon powder as a brazing filler metal.
4. (Canceled)
5. (Currently Amended) The brazing composition according to ~~claim 4~~Claim 11, wherein the reaction inhibitor is an amino alcohol having a boiling point of 120-200°C.
6. (Currently Amended) An aluminum material coated with a brazing composition which is produced by applying the brazing composition according to ~~claim 1~~Claim 11 to the aluminum material and drying the brazing composition, thereby causing a dried residual component in the brazing composition to adhere to a surface of the aluminum material.
7. (Original) The aluminum material according to claim 6, wherein an average thickness and a maximum thickness of a film of the brazing composition are respectively 2-15 μm and 30 μm or less.

8. (Previously Presented) The aluminum material according to claim 6, wherein an average particle diameter of the zinc-based flux is 30 μm or less.

9. (Previously Presented) An aluminum brazing method comprising assembling the aluminum material according to claim 6 into a specific structure, and heating the structure to a brazing temperature to form a zinc diffusion layer on the surface of the aluminum material.

10. (Original) An automotive heat exchanger manufactured by using the brazing method according to claim 9.

11. (New) An aqueous aluminum brazing composition comprising a zinc-based flux, an organic binder comprising a (meth)acrylate copolymer containing at least one carboxyl group-containing monomer, a (meth)acrylic acid/(meth)acrylate copolymer emulsion in an amount of 0.03-1.50 wt.%, based on 100 wt.% of the brazing composition, and a reaction inhibitor for inhibiting a reaction between zinc and a carboxyl group in the organic binder or the copolymer emulsion, wherein the weight average molecular weight of the copolymer in the emulsion is more than one digit greater than that of the copolymer of the organic binder and the brazing composition has a thixotropic index of 1.01-1.20.

12. (New) The brazing composition according to Claim 2, further comprising metal silicon powder as a brazing filler metal.

13. (New) The brazing composition according to Claim 11, wherein the reaction inhibitor is an amino alcohol having a boiling point of 120-200°C.

14. (New) The brazing composition according to Claim 2, wherein the reaction inhibitor is an amino alcohol having a boiling point of 120-200°C.

15. (New) The brazing composition according to Claim 3, wherein the reaction inhibitor is an amino alcohol having a boiling point of 120-200°C.